

REMARKS

The Examiner's thorough review of the instant application is noted with appreciation.

Reconsideration of the present application in view of the foregoing Amendment and the following remarks is respectfully requested.

In this Amendment, claims 1 and 4 have been amended to more clearly define the claimed invention. Claims 2 and 3 have been cancelled without any prejudice and/or disclaimer. New claims 6-18 are introduced to provide Applicant with the scope of protection to which he is believed entitled. The foregoing Amendment is fully supported throughout the present application, especially in the drawings. No new matter has been introduced through the foregoing Amendment.

Specification:

The Examiner has objected to the disclosure by pointing out the informalities.

Applicant has amended the specification (Please see pages 2-4 of this response) to correct the typographical errors and hence the objection to the disclosure is believed overcome.

Rejection of claims under 35 U.S.C 103(a):

The Examiner has rejected claim 1 under 35 U.S.C 103 (a) as being unpatentable over Chen (US 2003/0038750) (hereinafter "US '750") in view of Chen (US 2003/0038749) (hereinafter "US '749"). Further, claims 2-5 have been rejected under 35 U.S.C 103(a) as being unpatentable over US '750 in view of US '749 and further in view of Kenoun et al. (US 2004/0075611) (hereinafter "Kenoun").

At the outset, Applicant respectfully submits that independent claim 1 has been amended to at least include the feature of original claim 3. Therefore, rejection of claim 1 is believed moot.

Now, with respect to amended claim 1, amended claim 1 recites among other things "...a

second radiation patch connecting the first radiation patch and the ground plate and having a length shorter than the length of the shorting plate.” This feature of Amended independent claim is supported in at least original claim 3 and Fig. 2 of the original application. This feature is not disclosed by any of the applied references. For Example, while US ‘750 and US ‘749 simply fail to disclose the above mentioned feature, in the Kenoun reference the Examiner-identified portion, reference numeral 117, fails to read on the claimed second radiation patch at least because *Kenoun* reference does not disclose that the folded section (117) connects alleged first radiation patch (110) and a ground plate. In view of the Kenoun reference failing to disclose teach or suggest the above-mentioned feature of amended independent claim 1, Applicant strongly believes that a person having ordinary skill in the art, given with the US ‘750 and US ‘749 references, would not have been motivated to combine the teachings of the same with the Kenoun references to arrive at the claimed invention. At least because of the foregoing reasons, allowance of amended claim 1 is respectfully requested.

Further, claims 4 and 5 are dependent on amended independent claim 1 and hence are believed patentable over the applied art of record at least because of the reasons advanced above with respect to amended independent claim 1.

Patentability of new claims:

At the outset, new claims 6, 7, 9, 10, 13-17 are dependent on amended independent claim 1 and hence are believed patentable over the applied art of record at least because of the reasons advanced above with respect to amended independent claim 1.

Further, new independent claim 8 is patentable over the applied art of record at least because claim 8 recites “....a second edge parallel to the first edge and having a length smaller than a length of the first edge....a corrugated edge connecting the fourth edge and the second edge at fourth and fifth points.....” This feature of claim 8 is disclosed at least in Fig. 2 of the original application. The applied references, taken individually or in combination, fail to disclose teach or suggest the above mentioned structure of the claimed planar inverted F antenna.

Further, claims 11-12 and 18 depend on claim 8 and hence are believed patentable over the applied art of record at least for the reasons advanced above with respect to claim 8.

Conclusion:

Each of the Examiner's rejections has been traversed/overcome. Accordingly, Applicants respectfully submit that all claims are now in condition for allowance. Early and favorable indication of allowance is courteously solicited.

The Examiner is invited to telephone the undersigned, Applicant's attorney of record to facilitate advancement of the present application.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted,

LOWE HAUPTMAN HAM & BERNER, LLP

/Yoon S Ham/
Yoon S. Ham
Registration No. 45,307

YSH/jr/ss
1700 Diagonal Road, Suite 300
Alexandria, Virginia 22314
(703) 684-1111 (703) 518-5499 Facsimile
Date: February 19, 2008